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Rec'd FOR Review  
S.9-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Adams et al.  
Serial No: 09/302,859  
Filed: April 30, 1999  
For: FILTER SYSTEM WITH REDUCED  
SWITCH THERMAL NOISE AND A  
SIGMA DELTA MODULATOR USING  
SUCH A FILTER

Confirmation No.: 7551  
Group: 2634  
Examiner: Kevin Kim  
Docket No: AD-200J

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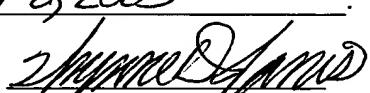
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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 2, 2003.

  
Wynne D. Janis

RESPONSE

This Response is in reply to the Advisory Action mailed April 2, 2003 in the subject application.

REMARKS

The Applicants appreciate the Examiner's thorough examination of the application and request reexamination and reconsideration of the application in view of the above amendments and the following remarks. Claims 4-6 and 9-10 remain pending in the application.

The subject invention results from the realization that, in a feedback system in which the output closely tracks the input, the error signal is small, and so rather than sample both the